Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Babak Fakharpour

GENERAL INFORMATION:

Name:	Brake Parts, Inc. (Affinia group)
Address:	101 Industrial Park Drive Stanford, KY 40484
Date application received:	8/18/2008
SIC Code/SIC description:	3714, Motor Vehicle Parts and Accessories (brake and brake systems, including assemblies)
Source ID:	21-137-00011
Agency Interest:	2714
Activity:	APE20080003
Permit:	F-08-028

APPLICATION TYPE/PERMIT ACTIVITY:

[ ] Initial issuance	[ ] General permit
[√] Permit modification	[√] Conditional major
__Administrative	[ ] Title V
√_Minor	[ ] Synthetic minor
__Significant	[ ] Operating
[√] Permit renewal	[√] Construction/operating

COMPLIANCE SUMMARY:

[ ] Source is out of compliance [ ] Compliance schedule included

[√] Compliance certification signed

APPLICABLE REQUIREMENTS LIST:

[ ] NSR	[ ] NSPS	[√] SIP
[ ] PSD	[ ] NESHAPS	[ ] Other
[ ] Netted out of PSD/NSR	[ ] Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

[ ] Acid rain source
[ ] Source subject to 112(r)
[√] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[ ] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[√] Certified by responsible official
[√] Diagrams or drawings included
[ ] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM_{10}	5.3	2559
SO_2	0.1	0.1
NOx	19.4	19.4
CO	16.3	16.3
VOC	14.3	20.9
Phenol Formaldehyde 2-Butanone (MEK)	2.9 1.3 2.22	7.0 3.1 2.22
Source wide HAPs	6.8	12.7

SOURCE DESCRIPTION:

This plant manufactures asbestos-free automotive brake components. Metal backing plates are cleaned by sand blasting and painted with a powder coating. Various resins, powdered metals, plastic fibers, fillers, and other compounds are mixed, formed into pads, cured in heated presses, machined into the final shapes. The pads are attached to the metal backing plates with a solvent-borne adhesive.

The material handling, mixing, curing, machining, and painting operations generate particulate matter (PM) emissions. The PM emissions from the mixing, curing, and machining operations are controlled by one or more baghouses. PM emissions from the metal backing plate sandblasting operation is also controlled by a baghouse.

The friction material machining and curing operations generate emissions of various volatile organic compounds, including the hazardous air pollutants phenol, aluminum metals, and formaldehyde. The hydrocarbon emissions from the curing ovens are controlled by afterburners, while the hydrocarbon emissions from the presses and machining operations are not controlled.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

To preclude Title V applicability, source wide emissions of Volatile Organic Compounds (VOC's) shall not exceed 90 tons per rolling 12-month total. Particulate matter (PM) emissions shall not exceed 90 tons per year based on a 12 month rolling total for the entire source. Source wide emissions of any individual HAP shall not exceed 9 tons per rolling 12-month total per year, and the emissions of all HAP shall not exceed 22.5 tons per 12-month rolling total.

OPERATIONAL FLEXIBILITY:

None